

Listă de lucrări

Teza de doctorat

„Cercetari privind efectul erbicidelor ALS (imazamox, tribenuron metil), amestecuri (cu dimethenamid, bentazon, dicamba, acid 2,4 D) și ariloxiacizi asupra culturilor tratate și solului în zona de Sud-Est a României”. Anul 2015 (ordin ministru 5954/07,12,2015), seria J, nr. 0010131

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1. Cărți sau capitole în cărți

1. Caiet documentar 4. Agricultura Concepte și instrumente operaționale. Toncea Ion. Victor Petcu, 2019. Agricultura ecologică – fapte și cifre cheie. Perspective de viitor în contextual PAC post 2021. Editura Club România, p: 674-696. ISBN 978-606-94561-4-9.

<http://www.mentoringproject.ro/wp-content/uploads/2019/04/CD4%20-%20Agricultura.pdf>

2. Culturile de acoperire. Investiție pentru terenul agricol. 2022. Ed. Total Publishing. București. ISBN 978-606-9643-08-2

Petcu Victor, Traian Cioroianu. Capitolul 2. Beneficiile culturilor de acoperire asupra culturilor agricole; p. 64-84

<https://doi.org/10.5281/zenodo.7762700>

Petcu Victor, Cizmaș George, Partal Elena. Capitolul 3. Ghid tehnologic pentru culturile de acoperite. p. 85-98

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2. Articole/studii publicate în reviste de specialitate de circulație internațională recunoscute sau în reviste din țară recunoscute de către CNCSIS

1. **PETCU, Victor**, BUBUEANU, Corina, CASARICA, Angela, SĂVOIU, Gabriela, STOICA, Roxana, BAZDOACA, Cristina, LAZĂR, Daniela Anca, IORDAN, Horia Lucian and HORHOCEA, Daniela, 2023. Efficacy of *Trichoderma harzianum* and *Bacillus subtilis* as seed and vegetation application combined with integrated agroecology measures on maize. *Romanian Agricultural Research*. 2023. Vol. 40.

2. **PETCU, Victor**, CIORNEI, Laurențiu, SIMION, Petruța-Simona, GRĂDILĂ, Marga, BURTAN, Lavinia Simona and PARTAL, Elena, 2022. Cover crops from winter wheat, triticale and peas cultivated in pure stands and mixtures – soil and weed suppression benefits. *Romanian Agricultural Research*. Online. 2022. Vol. 39, p. 337–343. Available from: <https://www.inceda-fundulea.ro/rar/nr39/rar39.31.pdf>

3. **PETCU, Victor**, POPA, Mihaela, CIORNEI, Laurentiu, TODIRICĂ, Ioana Claudia, POPESCU, Gabriel, SIMION, Petruța-Simona and SCHITEA, Maria, 2022. Forage mixtures with Alfalfa cultivars, Perennial Grasses and Anethum Graveolens. *Revista Lucrări Științifice. Seria Agronomie*. Online. 2022. Vol. 65, no. 1, p. 99–104. Available from: https://www.uaiasi.ro/revagrois/volum/Volum-65-1_2022.pdf

4. **PETCU, Victor**, TONCEA, Ion, GALIT, Indira, RADU, Ioan, GRĂDILĂ, Marga and CUCULICI, Roxana, 2022. Camelina sativa genotypes response to Downy Mildew and weed suppression in organic agriculture. *Romanian Agricultural Research*. Online. 2022. Vol. 39, no. 39, p. 239–246. Available from: <https://www.inceda-fundulea.ro/rar/nr39/rar39.23.pdf>

5. BRUMĂ, Ioan Sebastian, TOADER, Maria, POPESCU, Gabriel, **PETCU, Victor** and GEORGESCU, Emil, 2023. The evolution of Alfalfa, as important crop in organic farming system in Romania. *Romanian Agricultural Research*. 2023. Vol. 40.

6. CIUCĂ, Matilda, CRISTINA, Daniel, **PETCU, Victor** and TONCEA, Ion, 2023. Screening soybean germplasm for presence of *cdal* allele involved in low cadmium accumulation using molecular markers. *Romanian Agricultural Research*. 2023. Vol. 40.
7. DRAGOMIR, Vili, BRUMĂ, Ioan Sebastian, BUTU, Alina, **PETCU, Victor**, TANASĂ, Lucian and HORHOCEA, Daniela, 2022. An overview of global maize market compared to Romanian production. *Romanian Agricultural Research*. Online. 2022. Vol. 39, p. 535–544. Available from: <https://www.incda-fundulea.ro/rar/nr39/rar39.51.pdf>
8. GRĂDILĂ, Marga, CIONTU, Valentin Marius, CRISTEA, Raluca Monica, **PETCU, Victor**, MARIN, Eugen, TUDORA, Cătălina and JALOBĂ, Daniel, 2022. Control of annual and perennial weeds on uncultivated land / Combaterea buruienilor anuale și perene de pe terenurile necultivate. In: *International Symposium ISB-INMA Agricultural and Mechanical Engineering*. Online. 2022. p. 14–21. Available from: http://isbinmateh.inma.ro/pdf/Volume_Symposium_2022.pdf
9. GRĂDILĂ, Marga, JALOBĂ, Daniel, CIONTU, Marius Valentin, CRISTEA, Raluca Monica and **PETCU, Victor**, 2022. Selectivity and efficacy of Thifensulfuron-Methyl with adjuvant and without in control of broadleaf weeds in Winter Wheat. *Revista Lucrări Științifice. Seria Agronomie*. Online. 2022. Vol. 65, no. 2, p. 125–131. Available from: https://www.uaiasi.ro/revagrois/volum/Volum-65-2_2022.pdf
10. MARINCIU, Cristina Mihaela, MONICA, Tanc, ȘERBAN, Gabriela, MANDEA, Vasile, TONCEA, Ion, **PETCU, Victor** and SĂULESCU, Nicolae, 2022. Performance of some Romanian winter wheat cultivars under organic agriculture conditions I. Grain yield. *Annals of the University of Craiova-Agriculture, Montanology, Cadastre Series*. 2022. Vol. 52, no. 1, p. 241–246. <https://doi.org/10.52846/aamc.v52i1.1339>
11. **Victor Petcu**, Ioan Radu, Marga Grădilă, Valentin Stanciu, Ancuța Bărbieru. 2021. Soybean seed scanning for size, genotype color and *Cercospora blight* detection. Scientific Papers. Series A. Agronomy, Vol. LXIV, No. 1, ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785.
http://agronomyjournal.usamv.ro/pdf/2021/issue_1/Art70.pdf
12. **Victor Petcu**, Toncea Ion, Lazăr Catălin. 2021. Effect of climatic conditions on some physiological indicators of winter wheat cultivated in organic farming system, p: 113-119. *Lucrări Științifice. Seria Agronomie*, vol. 64, nr. 1, pag. 113-119.
http://www.uaiasi.ro/revagrois/volum/Volum-64-1_2021.pdf
13. **Victor Petcu**, Burtan Lavinia, Cioroianu Mihai, Fătu Viorel, Bercu Florentin, Radu Cristina. 2021. Studiu privind efectul culturilor de acoperire asupra compoziției chimice a solului și producției culturii următoare. *Analele I.N.C.D.A. Fundulea*, vol. LXXXVII, ISSN (electronic): 2067–7758, p: 159-168.
<https://www.incda-fundulea.ro/anale/89/89.10.pdf>
14. Ioan Sebastian Brumă, Steliana Rodino, **Victor Petcu**, Marius Mihai Micu. 2021. An overview of organic sunflower production in Romania. *Rom. Agr. Res.* 38, p: 495-504.
<https://www.incda-fundulea.ro/rar/nr38/rar38.52.pdf>
15. Marga Grădilă, Daniel Jalobă, Mihaela Șerban & **Victor Petcu**. 2021. Management measures for *Veronica persica* (*Plantaginaceae*), an invasive alien species and a weed in rapeseed crops in Southeast Romania. *Phytologia balcanica* 27 (3), p: 307 – 314.
http://www.bio.bas.bg/~phytolbalcan/PDF/27_3/PhytolBalcan_27-3_04_Gradila_&_al.pdf
16. Elena Partal, Catalin Viorel Oltenacu, **Victor Petcu**. 2021. The influence of sowing date and plant density on maize yield and quality in the context of climate change in southern

Romania. Scientific Papers. Series A. Agronomy, Vol. LXIV, No. 1, ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785.

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17. Marga GRĂDILĂ, Daniel JALOBĂ, Valentin CIONTU, Mihaela ȘERBAN, **Victor PETCU**. 2021. Research regarding weeds control in grain legumes crops. Scientific Papers. Series A. Agronomy, Vol. LXIV, No. 1, ISSN 2285-5785; ISSN CD-ROM 2285-5793; ISSN Online 2285-5807; ISSN-L 2285-5785.

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18. **Victor Petcu**, Olga Stan, Caterina Băduț, Valentin Stanciu, Ancuța Bărbieru. 2020. Evaluarea unor genotipuri de soia pentru pretabilitatea la semănat timpuriu, Anale INCDA Fundulea. Vol. 88, p: 187-200. ISSN (electronic): 2067-7758.

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19. Cristina Mihaela Marinciu, Gabriela Șerban, Vasile Manda, **Victor Petcu**. Influența sănătății plantelor asupra unor parametri de calitate la grâul comun de toamnă. 2020. Anale INCDA Fundulea. Vol. 88, p: 13-22. ISSN (electronic): 2067-7758.

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20. Liliana Vasilescu, Eugen Petcu, Cătălin Lazăr, **Victor Petcu**, Alexandrina Sîrbu. Reacția unor genotipuri de orz și orzoaică de toamnă la semănatul întârziat. Anale INCDA Fundulea. 2020. Vol. 88, p: 23-34. ISSN (electronic): 2067-7758.

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21. Ciontu Valentin, Daniel Jalobă, Mihaela Șerban, **Victor Petcu**, Marga Grădilă. 2020. ENDOZOOCHORY - THE SOURCE OF WEDDING OF AGRICULTURAL CROPS. Romanian Journal for Plant Protection, Vol. XIII, 2020 ISSN 2248 – 129X; ISSN-L 2248 – 129X.

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22. **Victor Petcu**, Toncea Ion. 2019. Identification of variability in vegetative growth of some winter wheat varieties under ecological agriculture with NDVI. Scientific Papers. Series A. Agronomy, Vol. LXII, Issue 1, p: 405-411.

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23. **Victor Petcu**, Toncea Ion, Marinciu Cristina. 2019. *CALIROA ANNULIPES* – un dăunor recent observat în perdeaua agroforestieră a INCDA Fundulea. Anale INCDA Fundulea. Vol. 87, p: 281-290.

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24. Liliana Vasilescu, Olga Stan, Eugen Petcu, Alexandrina Sîrbu; Alexandru Bude; **Victor Petcu**, 2019. Seed vigour index estimation of some Romania winter barley breeding lines. Scientific Papers. Series A. Agronomy, Vol. LXII, Issue 1, p: 492-500.

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25. Liliana Vasilescu, Olga Stan, Eugen Petcu, Victor Petcu, Alexandrina Sîrbu. 2019. Relația dintre lungimea coleoptilului și talia unor soiuri Românești de orz și orzoaică de Toamnă. Anale INCDA Fundulea. Vol. 87, p: 41-47. ISSN (electronic): 2067-7758.

<https://www.incda-fundulea.ro/anale/87/87.4.pdf>

26. Toncea Ion, **Petcu Victor**, Toncea Vladimir. 2018. The Plants Cultivation in Organic Farming System – a Precious and Useful Gift. Academy of Romanian Scientists Annals Series on Biological Sciences. Volume 7, No. 1, 2018, pp. 135 – 155 ISSN 2285 – 4177.

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[http://www.uaiasi.ro/revagrois/PDF/2014-2/paper/2014-57\(2\)_08-en.pdf](http://www.uaiasi.ro/revagrois/PDF/2014-2/paper/2014-57(2)_08-en.pdf)

29. Victor Petcu, Georgeta Oprea, Costica Ciontu, Gheorghe Stefanic. 2015. Studies on the effect of some herbicides (single and different mixtures) on weeds control and soil quality in maize. Rom. Agr. Res. No. 32. Pag.: 245-252.
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https://www.academia.edu/99841648/Determination_of_the_persistence_in_soil_of_herbicides_inhibiting_the_enzyme_acetolactate_synthase_ALS_by_bioassay

31. Elena Petcu, Ion Toncea, Pompiliu Mustățea, **Victor Petcu**. 2011. Effect of organic and conventional farming system on some physiological indicators of winter wheat. Rom. Agr. Res. 28: 131-137.
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3. Studii publicate în volumele unor manifestări științifice internaționale recunoscute din țară și din străinătate (cu ISSN sau ISBN)

32. Klaedtke Stephanie, Borgen Anders, Thüringer Angela, Feher Judith, Victor Petcu, Bouchet Jean-Pierre, Rey Frédéric. 2021. Boosting Common Bunt Management In Europe. EUCARPIA Breeding and seed sector innovations for organic food systems, 1, 105-106.
<https://orgprints.org/id/eprint/42322/>

33. Borgen Anders, Klaedtke Stephanie, Feher Judith, Thüringer Angela, Victor Petcu, Boffin Laurane, Rey Frédéric. 2021. Vinegar Seed Treatment To Control Common Bunt In Wheat. *Breeding And Seed Sector Innovations For Organic Food Systems*, 111.
<https://orgprints.org/id/eprint/39688/>

34. Victor Petcu. 2021. How to produce organic heterogeneous material for sweet corn.
https://orgprints.org/id/eprint/39844/1/PA47_How-to-Produce-Organic-Heterogeneous-Material-of-Sweet-Corn.pdf

35. Petcu Victor, Popescu Gabriel, Todirică Ioana Claudia . 2023. - Adding value to winter wheat crop by organic seed production–Socio-economic case study. Sustainable Agriculture and Rural Development, Institute of Agricultural Economics, Belgrade, no. III. 2023 ISBN 978-86-6269-123-1 p. 87-97.
<https://www.iep.bg.ac.rs/images/stories/izdanja/Tematski%20Zbornici/Zbornik%20radova%202023%20LQ.pdf>

5. Proiecte de cercetare-dezvoltare-inovare pe bază de contract/grant

Program/denumire proiect	Perioada de derulare/funcția în cadrul proiectului
1. Proiect Cooperare Europeană și Internațională, Subprogramul 3.2 - Orizont 2020 (Core organic)/Diversificarea producției culturilor ecologice pentru creșterea rezilienței. 135.000 euro	2021-2024 Responsabil național
2. Proiect Sectorial ADER 1.5.2: Cercetări cu privire la elaborarea unor tehnologii la principalele culturi de câmp porumb, grâu, floarea soarelui, soia, rapiță, leguminoase pentru boabe, prin optimizarea normelor de ecocondiționalitate. 102.040 euro	2021-2022 Director proiect
3. Proiect Nucleu, PN 19.25.03.01: Identificarea și recomandarea de soiuri de soia pretabile pentru însămânțare timpurie, aproximativ 35.510 euro	2020-2022 Responsabil proiect
4. Proiect Horizon Europe: Organic seed and plant breeding to accelerate sustainable and diverse food systems in Europe, LIVESEEDING (grant agreement 101059872) https://doi.org/10.3030/101059872	2012-2026 Membru în echipă
5. Proiect Horizon 2020: Improve performance organic agricultural by boosting organic seed and plant breeding efforts across Europe – LIVESEED, (grant agreement 727230).	2017-2021 Membru în echipă
6. Proiect Horizon 2020: Increasing the efficiency and competitiveness of organic crop breeding – ECOBREED, (grant agreement 771367).	2018-2023 Membru în echipă
7. Proiect Horizon 2020: Replicable business models for modern rural economies – RUBIZMO, (grant agreement 773621).	2018-2021 Membru în echipă
8. Proiect Horizon 2020: Grass-based circular business models for rural agri-food value chains – GO-GRASS, (grant agreement 862674).	2019-2023 Membru în echipă
9. Proiect PED, PN-III-P2-2.1-PED-2019-5302: Sistem pentru identificarea ideotipurilor de porumb, date de semănat optime și fertilizare cu azot în contextul schimbărilor climatice. (708.280,00 lei), 145433 euro	2020-2022 Membru în echipă
10. PN 23. 18. 02.03. Diversificarea germoplasmei de mazăre și soia pentru perioada de vegetație în vederea valorificării eficiente a resurselor climatice limitative	2023-2025 Membru în echipă
11. PN 23. 18. 03.01. Îmbunătățirea tehnologiilor de semănat și metodelor de control agrofitopatologic pentru valorificarea eficientă a resurselor de climă și sol	2023-2025 Membru în echipă
12. ADER 1.1.4 Crearea de noi genotipuri de lucernă și trifoi roșu cu perenitate crescută și conținut ridicat de proteină în diferite condiții ecologice prin obținerea de soiuri proteice cu rezistență la secetă și arșiță și cu capacitate mai mare pentru producerea de sămânță. Aprox. 185363 euro	2019-2022 Membru în echipă
13. PN 19.25.02.01. Creșterea gradului de asigurare a proteinelor prin crearea de soiuri de leguminoase anuale (mazăre și soia) și leguminoase perene (lucernă) cu performanțe agronomice și de calitate competitive în contextul schimbărilor climatice. (2.078.020 lei), aproximativ 424085 euro	2019-2022 Membru în echipă
14. ADER 2.1.6 Cercetări privind crearea și identificarea unor genotipuri de orz și/sau orzoaică de toamnă cu pretabilitate superioară pentru producerea sucului de orz verde.	2019-2022 Membru în echipă

15. ADER 1.2.2 "Elaborarea unui sistem integrat de producere de sămânță și materiale de plantat, certificate ecologic, la culturile de câmp: cereale, leguminoase pentru boabe, oleaginoase, plante tehnice și furajere, plante aromatice și medicinale, membru în echipă/ 236189 euro	2015-2018 Membru în echipă
16. PN 19.25.01.02. Identificarea și utilizarea de indici fiziologici cu eficiență sporită pentru fenotiparea toleranței la factorii de stres abiotic la cereale și plante tehnice.	2019-2022 Membru în echipă
17. PN 16-16.04.01. Caracterizarea tendințelor de modificare a epidemiologiei agenților patogeni și elaborarea de secvențe tehnologice îmbunătățite de combatere a acestora	2016-2017 Membru în echipă
18. PN 16-16.04.02. Studii privind evoluția populațiilor de insecte dăunătoare principalelor culturi de câmp și elaborarea de secvențe tehnologice de combatere cu capacitate sporită de protejare și potențare a activității faunei utile.	2016-2017 Membru în echipă
19. PNDR, Măsura 16.1 Cooperare. ECOAGRINOV - Soluție Inovativă, 100% Naturală Pentru Stimularea Creșterii și protecția plantelor în cultura ecologică a porumbului/ Contract C16100000011882300010/2021	2021-2022 Membru în echipă

6. Alte lucrări

JAN, Anaïs; KALLASSY, Anthony; MIELCAREK, Mathilde; ÁLVARO, Cláudio; BADUT, Caterina; PETCU, Victor. 2008. *The management of biodiversity in developing countries*. EU Erasmus/ Socrates program IP Bioethics in Life and Environmental Sciences 13-27. 04.

7. Citări

Lucrarea citată	Locul citării
1. Victor Petcu, Georgeta Oprea, Costică Ciontu, Gheorghe Stefanic. 2015. Studies on the effect of some herbicides (single and different mixtures) on weeds control and soil quality in maize. Rom. Agr. Res. No. 32. Pag.: 245-252, ISSN: 2285-5785, ISSN-L: 2285-5785, ISSN (CD-ROM): 2285-5793	Citată de 13 ori 1. Hormetic effects of Cd on alkaline phosphatase in soils across particle-size fractions in a typical coastal wetland. Fan, DW; Han, JG; Li, PP. Feb 1 2018 SCIENCE OF THE TOTAL ENVIRONMENT 613 , pp.792-797. https://orcid.org/0000-0002-0058-4857 2. Overlapping Residual Herbicides for Control of Photosystem (PS) II- and 4-Hydroxyphenylpyruvate Dioxygenase (HPPD)-Inhibitor-Resistant Palmer amaranth (Amaranthus palmeri S. Watson) in Glyphosate-Resistant Maize Chahal, PS; Ganie, ZA and Jhala, AJ. Jan 9 2018 Frontiers in plant science. https://www.frontiersin.org/articles/10.3389/fpls.2017.02231/full . 3. Cd induced biphasic response in soil alkaline phosphatase and changed soil bacterial community composition: The role of background Cd contamination and time as additional factors. Fan, DW; Wang, SY; (...); Han, JG. Feb 25 2021 SCIENCE OF THE TOTAL ENVIRONMENT 757. https://orcid.org/0000-0002-9903-9321 https://www.sciencedirect.com/science/article/abs/pii/S0048969720373022?via%3Dihub . 4. Lysobacter may drive the hormetic effects of Pb on soil alkaline phosphatase. Guo, YH; Li, XZ; (...); Zhu, YL. May 2020 ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 27 (15) , pp.17779-17788. https://link.springer.com.am.e-nformation.ro/article/10.1007/s11356-020-08278-2

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